

## Sensor software may save time, money, effort

Thanks to joint research with a small business, a sophisticated mathematical model devised by Argonne will be helping NASA — and eventually, industries and utilities across the country — to know whether unusual sensor readings are accurate or false.

Sensors monitor thousands of processes in most sectors of the economy. When a sensor produces an unusual reading, it could mean the process being monitored is degrading and needs to be checked — or that an environmental condition or sensor deterioration is causing a false signal. These false signals lead to unnecessary losses of time, money and effort.

Funded by a Small Business Technology Transfer Phase I grant from NASA, Expert Microsystems, Orangevale, Calif., has been working with Argonne to develop a system to help operators determine, in real time, the probability that a sensor reading is accurate.

Argonne's Jim Herzog and Kenny Gross (both RA) worked with engineers from Expert Microsystems to develop a prototype software package, the Dynamics Sensor Validation System



**SENSOR PROJECT LAUNCHED** — NASA is sponsoring a collaborative effort by Argonne and Expert Microsystems, Inc., to develop software to verify sensor readings. The system may help NASA monitor Space Shuttle engine performance. *NASA photo* (DSVS), which compares the accuracy of historical sensor readings with current sensor readings

and calculates the probability that the current reading is accurate.

DSVS was based on the patented Multivariate State Estimation System, developed at Argonne's Reactor Analysis Division.

The DSVS prototype software tested well against data from the Space Shuttle main engine. The codes produced by DSVS are designed to be embedded into the Space Shuttle process control computer, where they eventually could help NASA interpret sensor readings earlier and more accurately.

NASA recently awarded Expert Microsystems and Argonne a Phase II grant of \$500,000 to further develop the modeling, analysis, and real-time operating capabilities of the DSVS prototype generated under Phase I.

A new partner will join the research — DynaTech Engineering, of Roseville, Calif. When the system is completed and validated, Florida Power Corp., Gainesville, Fla., will participate as a "beta test site," expecting to eventually use the software for monitoring turbine generator control signals.



### Muir String Quartet

## Tickets on sale for quartet's Feb. 15 show

The Muir String Quartet will perform at Argonne-East's APS Conference Center Auditorium on Sunday, Feb. 15, at 3 p.m.

The quartet's performance, sponsored by Arts at Argonne, will include selections by Mozart, Prokofiev and Beethoven.

Now in its 18th season, the Muir String Quartet appears annually on major chamber music series throughout North America and Europe and has been praised for its voicing, intonation and musicality. The quartet's recordings of two Beethoven pieces received a Grammy nomination. The Muir String Quartet is in residence at Boston University's School for the Arts.

Admission is \$18. Tickets will be sold in the lobby of Argonne-East's Building 213 Cafeteria the week of Feb. 9, from noon to 1 p.m. The auditorium box office will open at 2:30 p.m. on the day of the performance.

### Reception, dinner

A special post-concert dinner will be offered at the Argonne Guest House restaurant from 5 p.m. to 8 p.m.

Price is \$18.95 per person. Reservations are requested; call 739-6000.

## WIST steering committee seeks new members

Argonne's Women in Science and Technology (WIST) steering committee has openings for two representatives from the laboratory's staff of women technical employees.

The group's charter includes recommending a WIST program

initiator to lead the laboratory's efforts to recruit, retain and promote women. The committee also provides guidance during the initiator's two-year term and evaluates the WIST program's effectiveness.

Interested employees should send a resume to steering committee chairperson Joe Asbury (OTD) by Friday, Feb. 13. Members about to rotate off the committee and former members also may apply for consideration.

## Retirement vendors to meet with employees

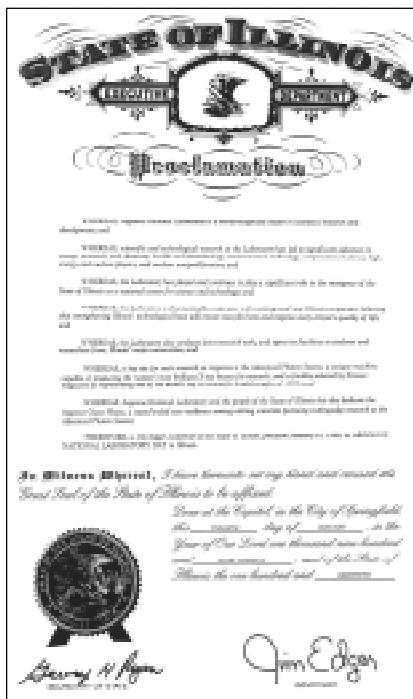
Three of Argonne's retirement vendors will be at Argonne-East in February to meet individually

with employees to answer questions about retirement plans or retirement plan assets.

To schedule a half-hour appointment with a representative, call the number shown below.

Vendor	Day	For Appointments, call:
TIAA/CREF	Monday, Feb. 9 and Tuesday, Feb. 10	Appointment Desk (800) 842-2005
Prudential	Wednesday, Feb. 18, Thursday, Feb. 19, and Friday, Feb. 20	Cheryl (847) 619-3519
Fidelity	Thursday, Feb. 26	Appointment Desk (800) 642-7131

**Inside this issue** ■ Argonne Guest House is dedicated ■ Service Awards  
■ All-day forum aimed at increasing awareness of Web's applications, capabilities



## Inn kind donation

Argonne's Guest House was dedicated at a lunchtime ceremony on Thursday, Jan. 22. Unveiling the plaque commemorating the occasion are (left to right) Illinois Secretary of State George Ryan, Argonne Director Dean Eastman, David Moncton, associate laboratory director for the Advanced Photon Source, and Ill. House Republican Leader Lee Daniels. The plaque thanks the people of Illinois for building the Argonne Guest House to house scientists doing research at the Advanced Photon Source. The State of Illinois contributed \$18.9 million for the facility. At right is Governor Edgar's proclamation making Jan. 22 "Argonne Day" in Illinois. The full text is on the *Argonne News* web site at <http://www.anl.gov/news.html>. Photo by George Joch

## Service Awards

Service awards for November include:

### 35 Years

John R. Bazzoni (OCF-BUD).

### 30 Years

Francis R. Bradbury (PFS-MAT), Ray E. Harden (PHY), Daniel A. Hill (HEP), Thomas J. Kotek (EA), Linda L. Lubben (OPS), William McCreaven (PFS-CU), Bud L. Stevenson (RPS-ESW).

### 25 Years

Dwight R. Diercks (ET), Charles L. Fink (TD), Raymond E. Fuja (ASD), Donald E. Granger (OCF-ACT), David G. Rockwood (OD-PS).

### 20 Years

Francine C. Carnaghi (ECT-

COM), Blaine J. Field (RPS-RM), Dennis A. Horvath (RPS-RM), Marie C. Larson (APO), Lawrence J. McCure (OCF-ACT), Fred Moszur (ECT-CTT), Vipinchandra L. Shah (ET), Gregory M. Teske (ED).

### 15 Years

William P. Reichart (ECT-CS), Charles W. Robinson (OCF-PIM), Barbara A. Weller (PHY).

### 10 Years

Scott A. Borkowski (ECT-ELT), Dawn Lisa Davidson (EWM-AW), Thomas F. Ewing (TD), Kim S. Gilgen (OD), Robert N. Hill (RA), Mary R. Moniger (IPD-TCS), Istvan Naday (ECT-ELT), Norman D. Peterson (OTD),

Dale E. Richards (PFS-IN).

### 5 Years

Joel L. Adams (TD-DES), Janet M. Anderson (IPD-TIS), Christa A. Benson (XFD), Dominick Bruno (PFS-BM), Alan D. Croft (EWM-AW), Larry W. Duncan (OD), Fredric C. Fisher (ECT-CS), Gary W. Frey (EA), Rebecca Gagnon (XFD), James M. Hogan (PFS-BM), Keith T. Johnson (ECT-CS), Donald J. Koefood (PFS-CUS), Scott T. Lockwood (ES), Gail E. MacMillan (EMO), Mark Martens (ASD), Judy Martinet (ER), Raul Mascote (ASD), Stephen Ross (ECT-ELT), Robert Allen Surdey (PFS-FPE).

## HR adds classes on coaching, time skills, teams

New classes in coaching, time management and team-building skills will be held in February by Human Resources.

Full class information, and enrollment forms for all HR classes, are available on the Human Resources home page at <http://www.anl.gov/HR/>

home.html under "Performance Development."

Classes will be held in Argonne-East's Building 362, Room F108. All classes cost \$25. For more information, call John Hyzer at ext. 2-3503.

■ Coaching For Maximum Performance (HR634) — To be held

Tuesday, Feb. 10, from 1 p.m. - 5 p.m.

■ Time Management (HR486) — To be held Friday, Feb. 13, from 1 p.m. - 5 p.m.

■ Introduction to Team Building (HR63I) — To be held Feb. 17, from 8:30 a.m. - 3:30 p.m.

## All-day forum to focus on using the Web

An all-day forum designed to increase awareness of the applications and capabilities of the World Wide Web at the laboratory is planned for Tuesday, Feb. 10, in Argonne-East's Building 203 Auditorium.

Sponsored by the Electronics and Computing Technologies Division, the forum will begin at 9 a.m.

The event is intended for Argonne employees interested in learning how Argonne organizations have used the web to develop various applications to get work done.

For a preliminary agenda of topics, see the web page at <http://www.anl.gov/webforum.html>.

## Computer Users to meet Feb. 3

The Argonne Computer Users Group will meet Tuesday, Feb. 3, in Argonne-East's Building 221, Room A216.

The agenda includes:

■ Computer Audit by the Office of Security Evaluations, by Paul Krystosek (ECT)

■ Secure UNIX Terminal Sessions and File Transfer, by John Volmer (ECT) and Douglas Engert (ECT)

■ Year 2000 Status, by Paul Krystosek

The CUG usually meets on the first Tuesday of each month at 3 p.m. in Building 221, Room A216. Meetings are open to all interested Argonne and DOE employees.

Additional information is available in newsgroup [anl.committees.cug](mailto:anl.committees.cug) and on the World Wide Web at <http://www.anl.gov/CUG/home.html>.

## PC Club to hold Feb. 9 meeting

The Argonne Personal Computer Club will meet Monday, Feb. 9, from noon to 1 p.m. in Building 221, Room A216.

The club will organize for the year, discuss the magazine circulation lists and have a general discussion about PC topics. All employees are welcome.

Send your news tips and comments to:

**info@anl.gov**



Argonne News is published weekly for Argonne employees by the Office of Public Affairs. Send news items to Editor Dave Jacqué, Building 201, Room 2Q-02 (OPA-201). Voice: ext. 2-5582. Fax: ext. 2-5274. E-mail: [info@anl.gov](mailto:info@anl.gov). Argonne-West correspondent: Dolores Lagerquist, Bldg. 752, ext. 3-7523. Deadline for all materials is 5 p.m. Monday. Argonne National Laboratory is operated by the University of Chicago for the U.S. Department of Energy. Vol. 51, No. 4.

# Seminars

Send seminar listings to Evie Fagan, Building 201, Room 2U-09 (OPA-201). Deadline is 5 p.m. Monday. Seminar listings *only* can be sent by E-mail to [evie\\_fagan@qmgate.anl.gov](mailto:evie_fagan@qmgate.anl.gov).

## Monday, Feb. 2

Chemistry Division Monday Morning Seminar Series: **"CMR Manganites: Synthesis, Structure, and the Mixed-Valent State in Perovskite and Layered Systems"** by John Mitchell, (MSD). 11 a.m., Bldg. 200 Auditorium.

High Energy Physics Theoretical Physics Seminar: **"Heavy Quark Production in Deeply Inelastic Scattering"** by Brian Harris, Florida State University, Tallahassee. 2 p.m., Bldg. 362, Conference Room E188.

Physics Division Seminar: **"Properties of Strange Matter for Heavy-Ion Physics"** by Jurgen Schaffner-Bielich, Lawrence Berkeley National Laboratory, Calif. 3:30 p.m., Bldg. 203, Conference Room R150.

## Tuesday, Feb. 3

Joint Chemistry and Materials Science Divisions Seminar: **"State of the Art of Diamond Doping"** by Boris V. Spitsyn, Institute of Physical Chemistry, Russian Academy of Sciences, Moscow, Russia. 11 a.m., Bldg. 200, Conference Room J183.

## Wednesday, Feb. 4

Materials Science Division Seminar: **"Ferromagnetic/Superconducting Multilayers"** by Richard Osgood III, (MSD). 11 a.m., Bldg. 212, Conference Room A157.

High Energy Physics Division Seminar: **"Ground Based Gamma Ray Astronomy With STACEE"** by David Hanna, McGill University, Montreal, Canada. 3:30 p.m., Bldg. 362, Conference Room F108.

## Thursday, Feb. 5

Mathematics and Computer Science Division Seminar: **"Using TAMC to Generate Derivative Computing Code"** by Ralf Giering, Massachusetts Institute of Technology, Cambridge. 2 p.m., Bldg. 221, Conference Room A216.

## Friday, Feb. 6

Physics Division Colloquium: **"Taking Nuclear Weapons Off Hair-Trigger Alert"** by Frank von Hippel, Princeton University, N.J. 11 a.m., Bldg. 203 Auditorium.

## Monday, Feb. 9

Chemistry Division Monday Morning Seminar Series: **"Resonance Raman Intensities: An Indirect Route to Ultrafast Photochemical Dynamics"** by Anne Myers, University of Rochester, N.Y. 11 a.m., Bldg. 200 Auditorium.

High Energy Physics Division Theoretical Physics Seminar: **"What Does String Duality Imply for Field Theory?"** by Albrecht Klemm, University of Chicago, Ill. 2 p.m., Bldg. 362, Conference Room E188.

## Tuesday, Feb. 10

Energy Technology Division Seminar: **"CVD Diamond and Diamondlike Carbon as Solid-Lubricating Films"** by Kazuhisa Miyoshi, Senior Research Scientist, NASA-Lewis Research Center, Cleveland, Ohio. 10:30 a.m., Bldg. 212, Conference Room A157.

## Wednesday, Feb. 11

Materials Science Division Seminar: **"Proximity and Size Effects of the Spin Density Waves in Epitaxial Cr"** by Hartmut Zabel, Physics and Astronomy Department, Ruhr University, Bochum, Germany. 11 a.m., Bldg. 212, Conference Room A157.

High Energy Physics Division Seminar: **"Hadron Structure and QCD Measurements at CCFR/NuTeV"** by Panagiotis Spentzouris, Columbia University, New York. 3:30 p.m., Bldg. 362, Conference Room F108.

## Monday, Feb. 16

Chemistry Division Monday Morning Seminar Series: **"Actinide Solutions: Fundamentals, Applications, Implications"** by Ken Nash, (CHM). 11 a.m., Bldg. 200 Auditorium.

High Energy Physics Division Theoretical Physics Seminar: **"Solution to the  $\rho$ - $\pi$  Puzzle of the  $J/\psi$  and  $\psi'$  Decays"** by Yu-Qi Chen, Ohio State University, Columbus. 2 p.m., Bldg. 362, Conference Room E188.

## Wednesday, Feb. 18

Materials Science Division Special Colloquium: **"Inorganic and Metal Monolayers on Electrode Surfaces"** by Andrew Gewirth, Department of Chemistry, University of Illinois, Urbana. 11 a.m., Bldg. 212, Conference Room A157.

Additional seminars appear on the Argonne News World Wide Web site:  
<http://www.anl.gov/news.html>



## Reactor league champs

The "ACL Aces" are the 1997 champions of the Reactor Golf League, which played at Glen Eagles Golf Club. From left to right are Bob Kampwirth (MSD), Debbie Zurawski (CMT), Dave Green (CMT-AC), Shannon Baxter (CMT), John Stoffel (XFD), Don Graczyk (CMT-AC), Amrit Boparai (CMT-AC), Fred Martino (CMT), Cheryl Nunez (PFS) and Dean Bass.

## 'Beach Bash' planned for cafeteria

A "Valentine Beach Bash" will be held in Argonne-East's Building 213 Cafeteria on Thursday, Feb. 12, from 4:30 p.m. to 8 p.m.

Hot dogs, nachos and sub sandwiches will be available for purchase. The employee wearing the "most creative beach attire" will win a Marriott weekend package.

## Argonne Club hosts trip to Wolves game

Friday, Feb. 13, will be Argonne night at the Rosemont Horizon as the Chicago Wolves hockey team takes on the Kansas City Blades.

Play begins at 7:30 p.m. The evening will feature giveaways and other promotions.

Argonne Club will be selling tickets the week of Feb. 2, until sold out, from 11:30 a.m. to 12:30 p.m. in Argonne-East's Building 213 Cafeteria lobby. Tickets are \$17 (a \$3 discount from the box office price) and includes bus transportation to and from the stadium.



## What's for lunch?

Menus for the cafeterias at both Argonne sites and the Guest House are at:  
<http://www.anl.gov/OPA/local/anlnews.html>

# Classified Ads

## ARGONNE-WEST

WANTED: JEWELRY — Old, costume jewelry. Katie Dimick, (208) 524-3227.

## MISCELLANEOUS

EXERCISE EQUIPMENT — Nordic Track. \$150. Non-motorized tread mill. \$50. Fred Kirchner, (630) 548-3682.

COMPUTER — 486DX 66Mhz, 850 MG hard drive, 15" color monitor, 24 MG RAM, 28.8USrobotics fax modem, sound card w/speakers & microphone, many software program. \$750. Nancy Panno, (630) 852-4471.

SHELVES — 3 shelves w/brackets & mountings, 1" x 2" x 32", 1" x 2" x 42" & 1" x 2" x 52". Best offer. Evie Fagan, (630) 960-5563.

BEANIE BABIES — Waddle the Penguin, Chocolate the Moose, Zip the Cat and Goldie the Fish. \$15/each. Jill Jonkouski, (773) 586-1664.

SADDLE — English jumping saddle, child size 16, used 5 months, excellent condition. \$125. Lynette Jirik, (630) 462-7073.

BEDROOM SET — Girl's youth bedroom set canopy bed, dresser & desk/chair, light pine color. \$200. Jim Feigl, (815) 838-2422.

TIRES — 2, Dick Cepek bias-ply tires, 31 x 11.50 x 16.5. \$25/each. 2, B.F. Goodrich, all terrain tires, 31 x 11.50 x 15. \$35/each. Ed Schuda, (708) 301-8809.

BICYCLE — 26" men's 3-speed Huffly bike. \$25. Ed Schuda, (708) 301-8809.

FURNITURE — Sofa & matching swivel rocker, earthtones, brown/beige, large muted stripes, good condition. \$295. Pam Smith, (630) 739-3490.

MISCELLANEOUS — Huffly, 10-speed mountain bike. \$45. Cordless phone. \$15. Jay Goatley, (815) 439-1709.

DRESSER SET — Sterling silver dresser set, 7 pieces, 1920's vintage, perfect condition. \$350. Roberta Dalton, (630) 920-8412.

EXERCISE BIKE — Sears XC1000 exercise bicycle. \$15 o.b.o. Joe Kilar, (630) 963-5102.

GUITAR — Acoustic guitar, Martin 000-16 auditorium. New \$1,450 - asking \$900 o.b.o. David Metta, (708) 301-5888.

CAMERA — 35mm camera system, Pentax Spotmatic F body, 55mm F1.8 lens, 105mm F2.8 lens, 200mm F3.5 lens and carrying case. \$225 o.b.o. David Metta, (708) 301-5888.

BEANIE BABIES — Spooky, Doodle, Spot, Velvet and more. \$10 - \$50. Peter Washburn, (630) 968-5383.

FURNITURE — Stickley Cherry Valley Draw, top cherry dining room table, excellent condition. Value \$2,000 - \$2,300 - asking \$1,500. John Hanchar, (630) 719-1277.

MISCELLANEOUS — Yakima bike rack, like new. \$75. Self-standing golf bag, like new. \$75. John Scott, (630) 579-0543.

Classified ad request forms are available in stockrooms, at the Office of Public Affairs in Building 201, and at Argonne-West's Building 752, Room D109. The old half-sheet forms are acceptable, but note that the deadline is incorrect. Deadline for classified ads is **5 p.m.**

### Monday.

Please note: All classified ads appear on Argonne's World Wide Web site and can be seen by the public.

Requests can be submitted by fax to ext. 2-5274, or by inter-office mail to Evie Fagan, Building 201, Room 2U-09 (OPA-201). A drop-off box is located at the *Argonne News* office, Building 201, room 2Q-02 and at 2U-09.

Request forms must be signed and must include a home phone number. Ads cannot be accepted by phone or electronic mail. Please limit ads to 25 words; longer ads may be edited. Housing listed for sale or rent is available without regard to race, creed, color or national origin.

Argonne-West employees are welcome to submit classified ads to *Argonne News*. Request forms are available at the office of Argonne-West Correspondent Dolores Lagerquist, Building 752, Room D109. When completed, fax the request form to the *Argonne News* office at (630) 252-5274.

COMPUTER — IBM PR200 MMX, 1.7 GB HD, 1.44 MB FD, 24X CD-ROM, 32 MB EDO ram, 16 bit SB & speakers, keyboard, mouse, 33.6K fax/modem, 4 MB video, windows '95. \$800. Carl Nelson, (815) 886-9386.

MISCELLANEOUS — Dark walnut/wood kitchen set w/4 chairs, less than one year old. Make offer. Englander, new mattress, full size. \$50. Richard Pagel, (630) 960-9016.

FIGURINES — Cats, 2 dozen, several sizes, made of various materials. Best offer. Todd Teel, (815) 727-1130.

MISCELLANEOUS — Sheer drapery panel, imported fabric, 87" x 126". \$40. Unframed print by Robert Fabe, Spring day 142/1000. \$50. Acrylic painting by Rebecca Wilhoute "Controlled Tension" '68. \$250. Martha Teitlus, (708) 233-2654.

TIRES — 4, Goodyear, P225/60R15, high performance, very good condition. \$90/all four. Joe Gregar, (630) 416-8584.

MISCELLANEOUS — Drawing board, portable, 24" x 20". \$19. Dusting brush. \$3. Chrome master bow set. \$12. Drawing board w/T-square & 2 triangles, 12" x 10". \$11. Texas Instrument TI-81 scientific calculator. \$19. Dan Bodnaruk, (630) 789-1615.

## AUTOMOBILES

1991 PONTIAC — Grand Prix STE, 4-door, 96K miles, all power, CD, power sunroof, leather interior, loaded. \$7,500 o.b.o. Rafael Gomez, (630) 620-8730.

1986 HONDA — Accord LX, AT, high mileage, engine & CV joints replaced, transmission rebuilt, new brakes, maintenance files available, meticulously kept, Pioneer 35W x 4 stereo w/CD player & speaker system. \$1,775. Karen Beres, (708) 532-7849.

1989 HONDA — Civic DX, 4-door sedan, 5-speed manual, 74K miles, one-owner, AM/FM stereo cassette, burgundy, well maintained. \$2,700 o.b.o. Carol Thompson, (630) 416-4515.

1991 CHEVROLET — S10 pickup, V6, 5-speed, recent valve job, runs great, tool box, AM/FM cassette. \$3,500. Carl Nelson, (815) 886-9386.

1989 PONTIAC — Sunbird LE, excellent condition, new tires, battery, muffler, EGR valve, very clean, 82K miles. \$2,700. Patrick Decrock, (630) 910-6135.

1993 PONTIAC — Bonneville SSEi, 3.8l supercharged engine, excellent condition, every option available except CD player, black exterior/gray interior, 75K miles. \$13,000. Todd Teel, (815) 727-1130.

1990 GMC — Jimmy S 15, 4 x 4, AT, AC, PW, PL, CD player, 105K highway miles, tuned up in Jan. \$6,500 o.b.o. Marsha Mehaffey, (815) 941-4282.

1989 PLYMOUTH — Voyager SE, V6, AM/FM cassette, silver w/grey interior, 96K miles, roof rack, running boards, class II hitch, clean, no rust. \$3,700 o.b.o. Carl Swanstrom (630) 904-5211.

1990 PLYMOUTH — Laser, 79K miles, PW, PM, mags, 5-speed, stereo, AC, excellent condition. \$3,500. Lecesne Nathalie, (630) 252-5643.

1996 VOLKSWAGEN — Golf, 5-speed, 4-door, AC, sun roof, PL alarm, dual air bags, AM/FM cassette, black, 22K miles, mint condition. Blue book \$13,150 - asking \$12,800. Noel Feeney, (773) 862-5535.

## HOUSING

APARTMENT/RENT — Quiet building, close to lab. & Lemont train station, available mid Feb. Security deposit & security check required. Mike Lilge, (630) 257-8967.

CONDO/SALE — Timber Oaks Subdivision, Port Richey, Fla., must be 55 years of age, 2 bedrooms, 2 baths, large front room, large dining room, new refrigerator, new carpeting throughout, new linoleum tile in kitchen & hall, vertical blinds, washer/dryer, cable, golf course view from screened in porch, no pets, children allowed for 2 weeks only, newly decorated club house, man made lake for fishing, picnic area, golf course \$45,900. Marion Janicki, (813) 863-1192.

ROOM/RENT — Bedroom, very quiet house, kitchen & bathroom to share, very close to lab. \$425/month. Choukroun Cyril, (630) 325-0437.

CONDO/SALE — Woodridge, Dover Court, 2nd floor, 2 bedrooms, 1 bath plus dressing room, walk in closet, living room w/fireplace, dining room, 2 decks, laundry room, appliances, CA, 1 car garage, close to I55 and 355, excellent condition. \$98,000. Sandy Rodeghero, (630) 852-5311.

HOUSE/SALE — Brand new, 2 story, 4 bedrooms, 2.5 baths, full basement, CA, LR, DR, FR w/fireplace, hardwood floors, 12' x 20' deck, 2.5 car attached garage, unincorporated Hinsdale, 5 minutes from lab. \$229,000. Kathy Vanoskey, (815) 730-9337.

ROOM/RENT — 5 miles from lab., clean. \$400/month. Soenke Seifert, (630) 325-1216.

APARTMENT/RENT — Lemont, first floor, 2 bedrooms, LR, DR, kitchen, bath, enclosed porch, large deck, fenced yard, quiet neighborhood, heat, water laundry facilities included, no pets, nonsmoker. Available March 1. \$750 plus security deposit. Alice Birmingham, (630) 257-8719.

## WANTED

PUPPY — Mixed breed, female, up to 25 lbs. when full grown. Laurie Scheiblein, (815) 838-2706.

GOLF CLUBS — Used, left-handed. Pete Waldman, (708) 403-0337.

MICROPROCESSOR — Intel CPU, 486 DX4100, 3.3 volt version. Richard Konecny, (630) 964-3660.

ELDER CARE — To care for a wheelchair bound woman in a house near Argonne, weekdays 8:30 a.m. - 5:30 p.m., March 9 - April 3. Mother w/young children welcome, shorter hours negotiable. Michael Chen, (630) 910-3813.

TRUCK — Small pick-up truck, must have automatic transmission, under \$5,000. Ed Wiese, (630) 719-5797.

GOOD HOME — For small black dog, female, needs to be spayed, white spot on chest, housebroken, loves to fetch, looks like a lab/spitz mix. Joanne Thomas, (815) 723-0681.

VAN — Reliable. Kurt Boerste, (815) 834-1897.

## FOUND

GLASSES — Dakota Smith, wire-rimmed prescription glasses, Bldg. 200 Auditorium, Monday, Jan. 19, in leather case w/ship emblem. Al Youngs, ext. 2-4914.

## TO BE GIVEN AWAY

AIR CONDITIONER — Window unit, full freon charge, works intermittently. Tom O'Neill, (708) 763-9428.

The classified ad request form is available on the World Wide Web at <http://www.anl.gov/OPA/local/news/adform.html>